

Title (en)
METHOD OF PRODUCING A POROUS CERAMIC MATERIAL

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES PORÖSEN KERAMISCHEN MATERIALS

Title (fr)
PROCÉDÉ DE PRODUCTION D'UN MATÉRIAU CÉRAMIQUE POREUX

Publication
EP 2039668 A1 20090325 (EN)

Application
EP 07767411 A 20070622

Priority

- JP 2007062602 W 20070622
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Abstract (en)
Provision of a porous ceramic material which rapidly induces bone tissue formation and has practical strength. A porous ceramic material 11 having substantially unidirectionally oriented pores 12, a porosity of 40 - 90%, and an average open area of one pore of 0.05×10⁻³ - 50×10⁻³ mm² both in a first sectional surface perpendicular to the pore 12 orientation direction and a second sectional surface parallel to the first sectional surface and 5 mm distant from the first sectional surface in the pore 12 orientation direction. Using the material 11, when a cylindrical test piece (diameter 3 mm×height 5 mm, the pore 12 array direction as a height direction) made of the material is dipped in polyethylene glycol up to 1 mm from one end thereof, polyethylene glycol permeates through the whole test piece preferably within 30 seconds.

IPC 8 full level
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CPC (source: EP US)
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Cited by
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